

Intel® Atom™ Processor E3800

I²C Driver Release Notes

1. Driver Information

This is the main I²C driver (32bit and 64bit) for the Bay Trail-I platform for Microsoft Windows 7 and WES7

- Driver name
 iaioi2c.sys
 “Intel® Atom™/Celeron®/Pentium® Processor I2C Controller” in device manager list
- Version
 1.1.5.1021
- Release Data
 3/10/2014
- List of files in the driver package
 - Driver binaries
 iaioi2c.inf
 iaioi2c.sys
 iaioi2c.cat
 - Driver Interface head filer
 I2CPublic.h
 - Driver documents
 BYT-I_Win7_IODriver_Programmer_Guide.docx
 ISG_BYT-I_I2C_Driver_Release_Note.docx

2. System Requirement

- Supported Platform
 Baytrail-I Fab3 Rev3 (SKU: B3)
 Bakersport fab B (SKU: B3)
 Windows 7 Ultimate 64 bit SP1 (7601)
 Windows 7 Ultimate 32 bit SP1 (7601)
 Windows Embedded Standard 64 bit SP1 (7601)
 Windows Embedded Standard 32 bit SP1 (7601)
- Development Environment
 Windows 7 64 bit SP1 (7601)
 Microsoft Visual Studio Professional 2012 Version 11.0.50727.1 RTMREL
 MSBuild 4.0.30319.17929
 Windows Driver Kit 8.0.0
- Dependency
 N/A
- Constraint
 N/A

3. Enabled Features

- Support 7-bit address Mode
- Support Standard Mode (100Kbps)
- Support Fast Mode (400Kbps)
- Support polling of IO data transfer

4. Disabled features

N/A

5. Known Issues

- HSD [[4634842](#)][Win7] Intermittent first byte lost when perform I2C read on B3-M and B3-D.

6. Fixed Issues or New Features

N/A

7. Limitations

- Maximum single transfer size is limited to 64K Bytes.
Use multiple transfers for data size of more than 64K Bytes.

8. Installation Guide

- Execute Intel Atom E3800 Win7 IO Drivers 64Bit.msi to install 64bit driver
- Execute Intel Atom E3800 Win7 IO Drivers 32Bit.msi to install 32bit driver
- Uninstall the driver from Control Panel\All Control Panel Items\Programs and Features or Uninstall the driver by click MSI installer again.

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